

Methods, Systems, and Devices for Condition Specific Alerts

Abstract of the Disclosure

Systems, devices, and methods are provided for calculating a course for avoiding
5 user identified criteria. A navigation device with route calculation capabilities includes a
processor connected to an input and a memory that includes cartographic data and user
identified criteria. A route calculation algorithm can be used to calculate a course
between two or more waypoints based on the predefined user criteria of the cartographic
data. Performing the route calculation algorithm includes analyzing the cartographic data
10 with a preference for providing the course that identifies and avoids the user identified
criteria. A display is connected to the processor and is capable of displaying the
calculated route and cartographic data. The device is also adapted to dynamically
analyze an area surrounding a present location for user identified criteria to avoid and
display the results of the analysis.